

**LIMS System Functional Requirements**

1. test aliases for end user that "points" to replacement methods
2. outlier detection and auto approval
3. sample handling = refrigerate, save sample
4. test prerequisites - equilibration, grinding
5. average results specification check
6. change control audit trail
7. supervisor approval
8. worklist creation
9. automatic priority bumping
10. reporting by batch of samples
11. request for recheck
12. auto detection of completeness
13. preliminary report only display approved data
14. quick logging capabilities - log from semiworks; log with sequence; verify samples from CI/INTL databases; log from external processing systems
15. assign sample parameters by type - example: cigarettes need butt length, tipping length, cig. Length
16. assign tests by group eliminated not applicable tests according to sample definition
17. calculate DWB, 12% OV, DIAM, ROD\_LENGTH, TAR
18. barcode samples for testing
19. allow for test notes
20. allow for extraction of data to historical archives
21. map samples to specification sample and effective date
22. plenum operations for aging, equilibration and storage location and retains
23. accept sample reject flag from instrument
24. log sample, add notations, approve and release sample